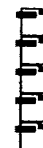


TUFTING NEEDLE**Publication number:** EP0874932**Publication date:** 1998-11-04**Inventor:** BEYER WALTER (DE)**Applicant:** ZIMMERMANN JOS GMBH & CO KG (DE)**Classification:**- international: **D05C15/20; D05C15/00;** (IPC1-7): D05C15/20

- european: D05C15/20

Application number: EP19960945555 19961224**Priority number(s):** WO1996DE02512 19961224; DE19961000328 19960108**Also published as:**

WO9725466 (A1)

US6142088 (A1)

EP0874932 (A0)

EP0874932 (B1)

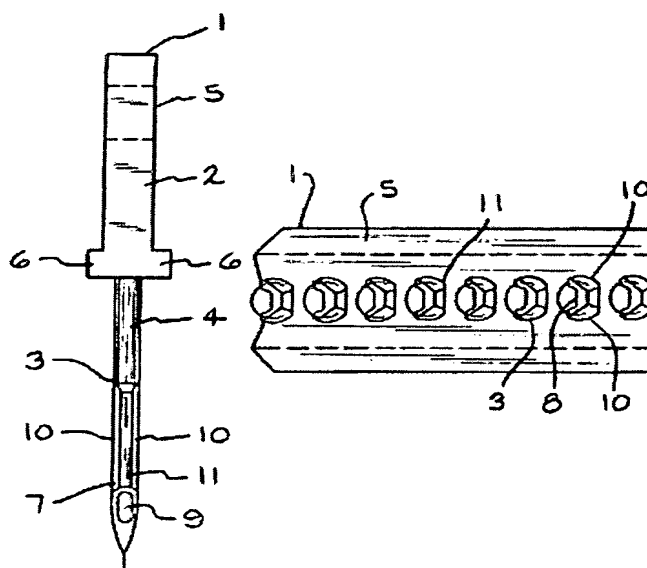
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Abstract not available for EP0874932

Abstract of corresponding document: **US6142088**

PCT No. PCT/DE96/02512 Sec. 371 Date Nov. 13, 1998 Sec. 102(e) Date Nov. 13, 1998 PCT Filed Dec. 24, 1996 PCT Pub. No. WO97/25466 PCT Pub. Date Jul. 17, 1997A tufting needle is disclosed. The needle consists of a butt (3) and a shank (7). The butt can be integrally formed at least partially in a needle module (1), while the shank has a needle tip, provided with an eye (9), and a thread guide groove (8) on one side as well as a chamfer (10) at one edge of the side (11) which is located opposite the thread guide groove (8). A chamfer (10) is likewise provided at a second edge of the side (11) opposite the guide groove (8), and the tufting needle is symmetric relative to a plane centrally dividing the thread groove (8) and the side (11) opposite the guide groove (8).



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